

Promoting Academic Achievement and Intrinsic Motivation in Mathematically Gifted Elementary Students

Sarah Rolfsen
Dr. Rachel Collopy

Context

The most neglected student in the elementary classroom is the gifted mathematics student.

Question

What instructional strategies can teachers implement in an elementary classroom that will promote academic achievement and intrinsic motivation in mathematically gifted students?

Structures Researched

- ❖ Cluster Model
- ❖ Distance Learning
- ❖ Pull-out

Programs Researched

- ❖ Accelerated Math
- ❖ Project M²
- ❖ Project M³

Strategies to Increase Academic Achievement

→ Distance Learning and Accelerated Math

- ❖ Individualized Work
- ❖ Scaffolded Lessons
- ❖ Accelerated Coursework

Strategies to Increase Intrinsic Motivation

→ Cluster Model, Pull-out, Project M² & Project M³

- ❖ Differentiated Enrichment
- ❖ Open Ended Problems
- ❖ Collaboration

